

APPENDIX K



New Jersey Department of Environmental Protection
Site Remediation Program

CLASSIFICATION EXCEPTION AREA / WELL RESTRICTION
AREA (CEA/WRA) FACT SHEET FORM

Date Stamp
(For Department use only)

SECTION A. SITE INFORMATION

Site Name: Arsynco, Inc.

Program Interest (PI) Number(s): 024248

Case Tracking Number(s) for this submission: 93024

**This form must be attached to the Cover / Certification Form
if not submitted through the RIR Online Service**

1. Indicate the reason for submission of this form (*see instructions*):

- ☒ New CEA ☐ Revise CEA ☐ Reestablish CEA ☐ Existing CEA with no changes
☐ CEA for historic fill ☐ CEA lift/removal

If you are submitting this form for an existing CEA provide the CEA Subject Item ID: _____

2. Indicate the type of ground water Remedial Action (RA):

- ☐ Natural ☒ Active ☐ Final RA not yet selected

3. Is this form being submitted with a Remedial Action Permit (RAP) Form (for Soil or Ground Water)? ... ☐ Yes ☒ No

SECTION B. CEA COMPONENT INFORMATION

1. **Contaminant(s):** This CEA/WRA applies only to contaminants above applicable numeric values established by the Ground Water Quality Standards (GWQS), N.J.A.C. 7:9C, listed in the table below. Except for historic fill CEAs based on assumed ground water contamination, list the maximum contaminant value for all ground water data that could be representative of current conditions and is for any well or sampling point used to establish the CEA. The values listed below may or may not be appropriate for use in evaluating plume fate and transport. See form instructions.

| Contaminant | Concentration ⁽¹⁾ | GWQS ⁽²⁾ | SWQS ⁽³⁾ | GWSL ⁽⁴⁾ |
|---------------------|------------------------------|---------------------|---------------------|---------------------|
| Acetone | 10,800 | 6,000 | NA | 21,000,000 |
| 2-Butanone (MEK) | 1,600 | 300 | NA | 2,500,000 |
| Methylene chloride | 133,000 | 3 | 310 | 920 |
| Tetrachloroethylene | 36 | 1 | 1.6 | 31 |
| Trichloroethylene | 944,000 | 1 | 12 | 2 |

Notes: ⁽¹⁾ Maximum concentration in Micrograms Per Liter

⁽²⁾ New Jersey Ground Water Quality Standards, N.J.A.C. 7:9C

⁽³⁾ Surface Water Quality Standards, N.J.A.C. 7:9B - Applicable only where contaminants in the CEA may discharge to a surface water body.

⁽⁴⁾ Current NJDEP Vapor Intrusion Ground Water Screening Levels available at
<http://www.nj.gov/dep/srp/guidance/vaporintrusion/>

☒ Check if attaching an Addendum to list additional contaminants and associated information.

2. **CEA Boundaries:** Year of tax map used: 2010

For CEA revisions: ☐ check if CEA Boundary has changed (*See instructions*)

☐ check if Block and Lot numbers have changed (*See instructions*)

List the Block(s) and Lot(s) included in the areal extent of the Classification Exception Area:

| Block(s) | Lot(s) | Check if off-site | Block(s) | Lot(s) | Check if off-site |
|----------|--------|--------------------------|----------|--------|--------------------------|
| 91 | 1 | <input type="checkbox"/> | | | <input type="checkbox"/> |
| | | <input type="checkbox"/> | | | <input type="checkbox"/> |
| | | <input type="checkbox"/> | | | <input type="checkbox"/> |
| | | <input type="checkbox"/> | | | <input type="checkbox"/> |
| | | <input type="checkbox"/> | | | <input type="checkbox"/> |

☐ Check if attaching an Addendum to list additional Blocks/Lots and associated information.

Narrative description of proposed CEA:

Plume expected to remain on site. Site boundaries are being used to define CEA extent. Site boundaries shown on figures in Exhibit B. NJ Transit railroad tracks border west side of site/CEA. Sixteenth Street in Carlstadt borders east side of site/CEA. Unnamed tidal drainage ditch borders part of southern site/CEA boundary. CEA is horizontally and vertically delineated based on actual data.

Name(s) of the affected Geologic Formation(s)/Unit(s): Artificial Fill & Lake Bed Deposits

Direction of ground water flow: SE (If multiple water bearing zones exist within the CEA and/or there is no predominant flow direction, see instructions.)

Ground Water Classification: IIA (See instructions and GWQS for classification area information.)

Vertical Depth of CEA: 30 ft bgs (ft bgs) and -25.0 ft (msl).

Horizontal Extent of CEA: 12.273 Indicate units: ☒ acres or ☐ square feet

3. Projected Term of CEA: (Based on modeling/calculations in the fate and transport description)

Proposed Duration in Years: _____ Anticipated Expiration Date: _____

or ☒ Indeterminate (Review instructions before selecting "Indeterminate.")

4. ATTACH AND/OR SUBMIT THE FOLLOWING: (see instructions for additional information)

Exhibit A: Site Location Maps – USGS Quadrangle Map;

Exhibit B: CEA Map and Cross Section Figure – See N.J.A.C. 7:26C- 7.3(c)1 and 2 and instructions regarding what to include on the map and the cross-section figure.

Exhibit C: GIS Deliverables – CEA Boundary Extent Map. The CEA Boundary Extent Map shall be submitted via email to srpgis_cea@dep.nj.gov. See the instructions for detailed GIS deliverable requirements.

For revisions, does the attached map differ from the CEA map on NJ-GeoWeb? ☐ Yes ☐ No ☒ N/A

If "Yes or N/A," identify the format of the CEA Boundary Extent Map: ☒ Shape File ☐ CAD File

SECTION C. CURRENT GROUND WATER USE DOCUMENTATION

1. Indicate the year of the most recent well search completed per N.J.A.C. 7:26E-1.14: 2014
2. If this Fact Sheet form is for a revised CEA or an existing CEA with no changes, have new wells been installed since the CEA was established? ☐ Yes ☐ No ☒ N/A
3. Are there any pumping wells (e.g., potable, industrial, irrigation or recovery wells) within the foot print of the CEA? ☒ Yes ☐ No

SECTION D. WELL RESTRICTION INFORMATION

Certain well restrictions relevant to potable ground water use, such as "Double Case Wells", "Sample Potable Wells", and "Evaluate Production Wells", are consistently set within the boundaries of all CEAs established by the NJDEP in Class I and II-A areas (*see instructions*).

1. Are there any other site-specific well restrictions relevant to potable ground water use that should be set within or near the boundaries of the proposed CEA? ☐ Yes ☒ No

If "Yes", describe below any such site-specific well restrictions proposed for this CEA:

SECTION E. PUBLIC NOTIFICATION REQUIREMENTS

See form instructions for notification procedures

1. Indicate which of the following entities have been notified pursuant to N.J.A.C. 7:26C-7.3(d). (*check all that apply*)

- ☒ Municipal and county clerk(s)
- ☒ Local, county or regional health department(s)
- ☒ Designated County Environmental Health Act agency (if applicable)
- ☒ County Planning Board
- ☐ Pinelands Commission (if applicable)
- ☒ Owners of real property overlying CEA foot print

2. **List of Names and Addresses** – List below and/or in an attachment, the names/addresses of all persons notified pursuant to N.J.A.C. 7:26C-7.3(d) based on the proposed CEA boundaries. If the site property owner differs from the person responsible for conducting the remediation, enter the site owner's name and address first in below table. See instructions for more information regarding address list and indicating if vapor intrusion was evaluated for properties over the CEA.

☐ Check here if no volatile contaminants are in the CEA

| Entity or Owner Name | Notification Address Used (include applicable block and lot overlying CEA if owner address differs from property address) | Date notification sent | Was property evaluated for vapor intrusion? Check if "Yes" |
|-----------------------------------|---|------------------------------|---|
| Claire Foy (Town Clerk) | 500 Madison Street Carlstadt, NJ 07072 | | <input type="checkbox"/> |
| John S. Hogan (Cty Clerk) | One Bergen Coutny Plaza Hackensack, NJ 07601 | | <input type="checkbox"/> |
| Joseph Valente (Chair Planning) | One Bergen Coutny Plaza Hackensack, NJ 07601 | | <input type="checkbox"/> |
| Nancy L. Mangieri (Cty Health) | One Bergen Coutny Plaza Hackensack, NJ 07601 | | <input type="checkbox"/> |
| Herman Lopez (Town Health) | 500 Madison Street Carlstadt, NJ 07072 | | <input type="checkbox"/> |
| Thomas Longo (City Environmental) | 327 East Ridgewood Avenue Paramus, NJ 07652 | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| Arsynco, Inc. (Property Owner/RP) | 4 Tri Harbor Court, Port Washington, NY 11050 | | <input type="checkbox"/> |
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ADDENDUM
Classification Exception Area / Well Restriction Area
Fact Sheet Form

Section B. CEA Component Information

1. **Contaminant(s):** This CEA/WRA applies only to contaminants above applicable numeric values established by the GWQS, N.J.A.C. 7:9C, listed in the table below. Except for historic fill CEAs based on assumed ground water contamination, list below the maximum contaminant value for all ground water data that could be representative of current conditions using any well or sampling point used to establish the CEA. The values listed below may or may not be appropriate for use in evaluating plume fate and transport. See form Instructions.

| Contaminant | Concentration ⁽¹⁾ | GWQS ⁽²⁾ | SWQS ⁽³⁾ | GWSL ⁽⁴⁾ |
|--|------------------------------|---------------------|---------------------|---------------------|
| 1,1-Dichloroethylene | 49 | 1 | 100 | 260 |
| cis-1,2-Dichloroethylene | 229,000 | 70 | NA | NA |
| Vinyl chloride | 48,000 | 1 | 8.1 | 1 |
| 1,1,1-Trichloroethane | 50 | 30 | 2,600 | 13,000 |
| 1,1-Dichloroethane | 3,080 | 50 | NA | 50 |
| 1,2-Dichloroethane | 24.5 | 2 | 28 | 3 |
| Chloroethane | 738 | 5 | NA | 26,000 |
| 1,4 Dioxane | 173 | 10 | NA | NA |
| Chlorobenzene | 1,070 | 50 | 2,500 | 770 |
| Benzene | 6,250 | 1 | 3.3 | 20 |
| Toluene | 75,000 | 600 | 15,000 | 330,000 |
| Xylenes (total) | 93,000 | 1,000 | NA | 8,600 |
| trans-1,2-Dichloroethene | 1,000 | 100 | 43,000 | 520 |
| Chloroform | 3,040 | 70 | 2,100 | 70 |
| (See next pg. for addtl. contaminants) | | | | |

Notes: ⁽¹⁾ Maximum concentration in Micrograms Per Liter

⁽²⁾ New Jersey Ground Water Quality Standards, N.J.A.C. 7:9C

⁽³⁾ Surface Water Quality Standards, N.J.A.C. 7:9B - Applicable only where contaminants in the CEA may discharge to a surface water body.

⁽⁴⁾ Current NJDEP Vapor Intrusion Ground Water Screening Levels

2. CEA Boundaries:

Blocks(s) and Lot(s) included in the areal extent of the Classification Exception Area:

Year of tax map used: _____ For CEA revisions, check here if Block and Lot numbers have changed: ☐

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|----------|--------|--------------------------|----------|--------|--------------------------|
| | | <input type="checkbox"/> | | | <input type="checkbox"/> |
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| Contaminant | Concentration ⁽¹⁾ | GWQS ⁽²⁾ | SWQS ⁽³⁾ | GWSL ⁽⁴⁾ |
|--------------|------------------------------|---------------------|---------------------|---------------------|
| Ethylbenzene | 15,900 | 700 | 2,100 | 700 |
| 2-Hexanone | 2,290 | 300 | NA | NA |
| Nickel | 6,420 | 100 | 22 | NA |
| Antimony | 250 | 6 | 640 | NA |
| Lead | 900 | 5 | 24 | NA |
| Zinc | 52,100 | 2000 | 81 | NA |
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